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Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	KSC-12139-1
First Inventor	Christopher Immer
Title	Thermodynamic Pressure/Temperature Transducer Health Check
Express Mail Label No.	ET346435523US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 22]  
(preferred arrangement set forth below)
 

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 7 ]

5. Oath or Declaration [ Total Pages ]

a.  Newly executed (original or copy)  
b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
 

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
 

- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))  
37 CFR 3.73(b) Statement  Power of  
(when there is an assignee)  Attorney

10.  English Translation Document (if applicable)  
Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS  
Citations

11.  Preliminary Amendment

12.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

13.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

14.  Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

15.  Other:  Cover Letter

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP)

of prior application No. \_\_\_\_\_

Prior application information.

Examiner \_\_\_\_\_

Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here)			or <input checked="" type="checkbox"/> Correspondence address below
Name	Randall M. Heald, Patent Counsel			
Address	National Aeronautics and Space Administration			
	Mail Code: CC-A/John F. Kennedy Space Center			
City	Kennedy Space Center	State	FLORIDA	Zip Code
Country	U.S.A.	Telephone	321-867-7214	Fax
Name (Print/Type)	Randall M. Heald	Registration No. (Attorney/Agent)	28,561	
Signature	Randall M. Heald		Date	11/9/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

JC879 U.S. PTO  
004990 01JC879 U.S. PTO  
11/09/01



National  
Aeronautics and  
Space  
Administration

Patent Application

KSC-12139-1

(NASA Case No.)

## Letter Transmitting Patent Application

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, DC 20231

Sir:

Transmitted herewith for filing is the Patent Application of:

Applicant: Christopher Immer et al

Inventor(s): Christopher Immer et al

Entitled: Thermodynamic Pressure/Temperature Transducer Health Check

Enclosed are:

<input checked="" type="checkbox"/>	Specification and claims	<input checked="" type="checkbox"/>	7	sheets of drawing.
<input type="checkbox"/>	Declaration	<input type="checkbox"/>		Power of Attorney
<input type="checkbox"/>	Assignment of the invention to the National Aeronautics and Space Administration.			
<input type="checkbox"/>	License of the invention to the National Aeronautics and Space Administration.			
<input type="checkbox"/>	Application Data Sheet			
<input type="checkbox"/>	Preliminary Amendment			
<input checked="" type="checkbox"/>	Information Disclosure Statement			
<input checked="" type="checkbox"/>	Nonpublication Request and Certification (PTO/SB/35 or equivalent)			
<input type="checkbox"/>	International application under the PCT. (See PCT/RO/101,XII checklist.)			

The fee has been calculated as shown below:

FOR (1)	CLAIMS FILED		RATE (4)	FEE (5)
	FILED (2)	EXTRA (3)		
TOTAL CLAIMS	20	= 7	x 18.0 =	\$126.00
INDEPENDENT CLAIMS	3	= 3	x 80.0 =	\$240.00
BASIC FEE (Minimum amount required)				\$740.00
TOTAL FILING FEE 				\$1,106.00

Please charge our Deposit Account No. 14-0116 in the amount shown as the total filing fee. The Commissioner is hereby authorized to charge an additional fee which may be required to effect the filing of this application under 37 CFR 1.16, or credit any overpayment to Deposit Account No. 14-0116.

Nov 9, 2001

(Date)

Randall Held Reg 28561

(Attorney of Record) (Reg. No.)

NOTE: This form is to be used when filing a new or original application.

NASA FORM 1556 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

NASA Case No. KSC-12139-1

Patent Application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Christopher Immer et al )  
Serial No.: Unknown )  
Filed: Herewith )  
Title: Thermodynamic Pressure/ )  
Temperature Transducer Health )  
Check )

LETTER

Commissioner of Patents  
and Trademarks  
Washington, DC 20231

Sir:

The enclosed application is being filed in accordance with 37 CFR 1.7, 1.10 and 1.53(b) in order to obtain a filing date of **November 9, 2001**. The application is being sent by EXPRESS MAIL "Post Office to Addressee" under Certificate ET346435523US.

Respectfully submitted,



Randall M. Heald, Reg. No. 28,561  
Patent Counsel

Mailing Address:  
Patent Counsel  
Office of Chief Counsel  
NASA, John F. Kennedy Space Center  
Mail Code: CC-A  
Kennedy Space Center, Florida 32899  
Telephone (407) 867-7214

I hereby certify that the attached application "Thermodynamic Pressure/Temperature Transducer Health Check" is being deposited with the United States Postal Service on **November 9, 2001**, as Express Mail "Post Office to Addressee" under Certificate No. ET346435523US in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231.



Carol Anne Dunn  
Paralegal Specialist

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

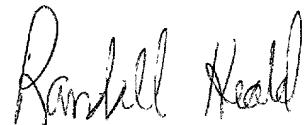
First Named Inventor	Christopher Immer
Title	Thermodynamic Pressure/Temperature Transducer Health Check
Atty Docket Number	KSC-12139-1

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

11/9/01

Date



Signature

Randall M. Heald, Reg. No. 28,561

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement. This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.